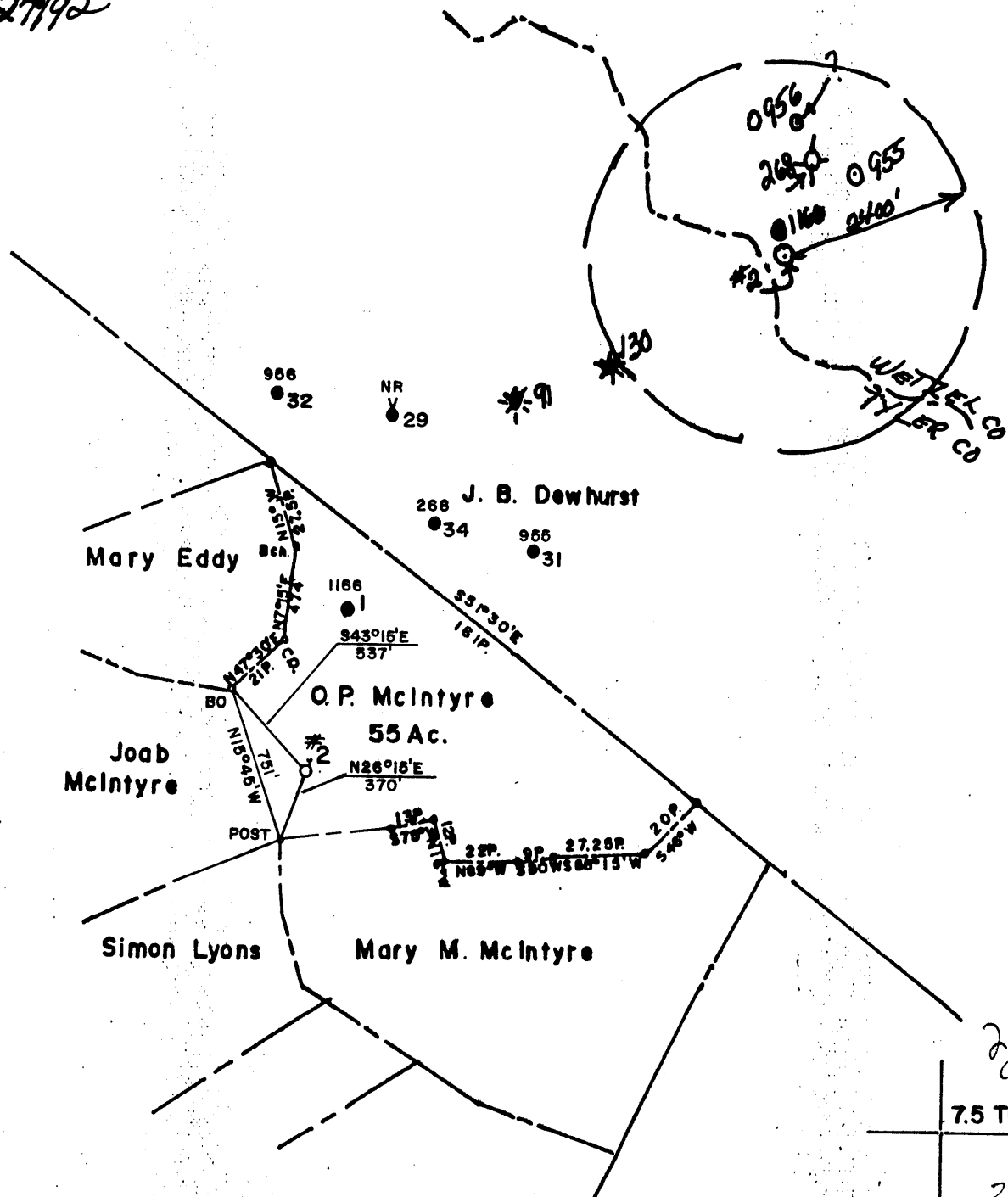


Amel
1/24/92

NORTH



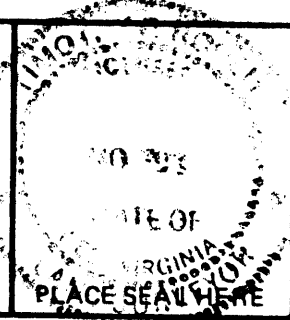
2.825
0.44

7.5 TOPO

2.82
2.67

FILE NO. 1523
 MAP NO. N48 sqs. NI WI
 SCALE 1" = 800
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION PENNZOIL CO. RECORDS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) *Timothy P. Roush*
 TIMOTHY P. ROUSH P.S. 793



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE JANUARY 3, 19 91
 FARM O. P. MCINTYRE NO. 2
 API WELL NO.

47 - 103 - 1048 - FRAC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL X GAS ___ LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1,352.50 WATER SHED BUFFALO RUN
 DISTRICT GRANT 4 COUNTY WETZEL
 QUADRANGLE CENTER POINT #15 NG

STATE COUNTY PERMIT
According to DEP originally drilled 5-3-23, fraced 3-27-92 and plugged same date

SURFACE OWNER I. D. MORGAN ACREAGE 127.5
 OIL & GAS ROYALTY OWNER MARY ANNE EDDY LEASE ACREAGE 55
 LEASE NO. 72453-50

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION GORDON ESTIMATED DEPTH 3,208'
 WELL OPERATOR PENNZOIL PRODUCTS CO. DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P.O. BOX 5519 ADDRESS P.O. BOX 5519

FORM WW-6

WET 1048

RECEIVED

JAN 06 A.M.

FORM WW-2B

103 1048 - Frac.
Issued 1/27/92

Page 3 of 4

Expires 1/27/94

DEPT. OF ENERGY STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
WELL WORK PERMIT APPLICATION

- 1) Well Operator: Pennzoil Products Company ⁴⁸⁷⁰ 37450
- 2) Operator's Well Number: O.P. MCINTYRE 3) Elevation: 1352.50'
- 4) Well type: (a) Oil X / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Gordon Stray
- 6) Proposed Total Depth: 3208 feet
- 7) Approximate fresh water strata depths: N/A
- 8) Approximate salt water depths: 2030'
- 9) Approximate coal seam depths: 1147'
- 10) Does land contain coal seams tributary to active mine? Yes / No X /
- 11) Proposed Well Work: Fracture Maxton Formation
- 12) Set permanent bottom hole plug. Pull 5 3/16" 5' 6" 5" Rm Electric Logs
if Recompletion of the MAXTON FORMATION LOOKS PROFITABLE Run 4 1/2
& Cement & Pipe

CASING AND TUBING PROGRAM

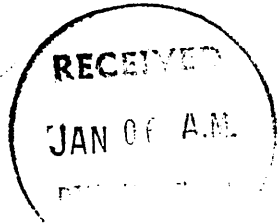
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor						
Fresh Water	10"			311'	311'	Existing Csg.
Coal	8 1/4"			1670'	1670'	" "
Intermediate	6 5/8"			2429'	2429'	" "
Production	5 3/16"			2697'	2697'	" "
Tubing	<u>4 1/2</u>			<u>2200'</u>	<u>2200'</u>	<u>3859/18 1/1</u>
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

13434

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Agent



1) Date: January 3, 1992
2) Operator's well number
O.P. MCINTYRE NO. 2
3) API Well No: 47 - 103 - 1048 FRAC
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name I. D. Morgan
Address c/o Madge Morgan
Box 29
 - (b) Name Jacksonburg, WV 26377
Address _____
 - (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name Consolidated Coal Co.
Address P.O. Box 1314
Morgantown, WV 26505
- (b) Coal Owner(s) with Declaration
Name _____
Address _____
- (c) Coal Lessee with Declaration
Name _____
Address _____
- 6) Inspector Steve Casey
Address Rt. #2 box 232-D
Jane Lew, WV 26378
Telephone (304)- 745-4888

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
X Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- X Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Pennzoil Products Company
By: Timothy P. Roush
Its: Supervisor - Surveying/Mapping
Address P.O. Box 5519
Vienna, WV 26105
Telephone (304) 422-6565

Subscribed and sworn before me this 3rd day of January, 1992

Notary Public
My commission expires Oct 3, 2000